

Thursday 20th Jan '55

Centrifuging egg white (to see if "goo" expected).

Bought 1 doz "fresh" English eggs (medium size) from Sennitts.

Cracked egg. pour in metal separator. avoided the chalazae. ~~far~~ did not get all the white, but almost all (98%?) did not homogenize.

Did two eggs. Balanced in high-speed angle cont. tubes.

Run up to 12,000 revs. (13 min) - 15 min run.

not much sign of stratification. (Knew a little)

Set for ~~45~~ 50 min. run. no change.

meantime had homogenized two whites through ~~run~~ masher - a more inefficient process, about half being lost. put into two (small) centrifuge tubes.

a further white, roughly homogenized with a spatula.

put into ^{two} the small 2 ml tubes. Put ^{all} at 12,000 revs a over level time. (50 min)

Best Results : small tubes : 1 broken; other, no stratification.

big tubes : unhomogenized : as before, no or little effect.

homogenized (small quantity; 10 cc?) one tube should stratify

other tube - none, but rather clear.

"Homogenized" the unhomogenized pair with a spatula.

rebalanced. 12,000 rev for 15 mins. (also the originally homogenized one).

as before.

decided to abandon attempt at centrifugation, as simpler to pipette off some of the thin white when egg first cracked open.

Mixed all remaining whites together. ~~Estimated~~ Stored to ^{break} break up again.

Estimated vol ~ 90cc. Added 45 gms NaCl. Stirred in.

pH. ~ 8.8. Added KCl (1N) 1.7g to give pH 9.6

heat page
but see.

.5

10

.2

Resin prep. (cont from 19th Jan)

dried on Buchner funnel (actually didn't dry for long enough. still rather damp in places).

added 100cc acetone: set up with stirrer (at 11:30 am).

at 5:30 pm: started to filter, using a Buchner, but changed over to an ordinary funnel (no paper). Washed with plenty (several hundred cc) of acetone, but found there was no anular acetone left. Postponed final washing. left standing (covered) on filter paper.

on Saturday morning (21st): washed three times with anular acetone. left in filter paper (covered with a filter paper) to dry over weekend.

Decided to ~~use~~ ^{use} this egg-white to try fractionating using
5% Wall + 2% Am₂SO₄.

Pur 10cc egg-white (with base, pH 9.6) into each tube.

Added to	O, A and B (two tubes)	- nothing
	1	- 0.75 gm Am ₂ SO ₄
	2	1.5 "
	3	2.25 "
	4	3.0 gm Am ₂ SO ₄ ($\approx \frac{1}{2}$ sat)

shined
mixed with ~~the~~ glass rod. ~~cooked~~ (with small cooker) - inverted several times.
Pur in bag (≈ 5 gm), and left.

Sub. morning: inverted to mix up, # tubes 1, 2, 3, 4.

① $\rightarrow \frac{1}{2}$ sat

= 3.12 gm to 1000 cc

3.12

1.56